

Datasheet for ABIN3031237
anti-HDAC9 antibody (AA 2-32)[Go to Product page](#)

8 Images

Overview

Quantity:	0.4 mL
Target:	HDAC9
Binding Specificity:	AA 2-32
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDAC9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	A portion of amino acids 2-32 from the human protein was used as the immunogen for this HDAC9 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Chicken
Purification:	Purified

Target Details

Target:	HDAC9
Alternative Name:	HDAC9 (HDAC9 Products)

Target Details

Background: Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene has sequence homology to members of the histone deacetylase family. This gene is orthologous to the *Xenopus* and mouse MITR genes. The MITR protein lacks the histone deacetylase catalytic domain. It represses MEF2 activity through recruitment of multicomponent corepressor complexes that include CtBP and HDACs. This encoded protein may play a role in hematopoiesis. Multiple alternatively spliced transcripts have been described for this gene but the full-length nature of some of them has not been determined.

UniProt: [Q9UKV0](#)

Pathways: [Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: Titration of the HDAC9 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Immunoprecipitation: 1:100,Immunofluorescence: 1:1000,IHC (Paraffin): 1:50-1:100

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

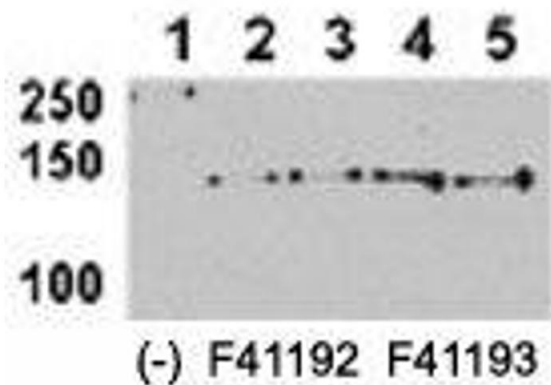
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

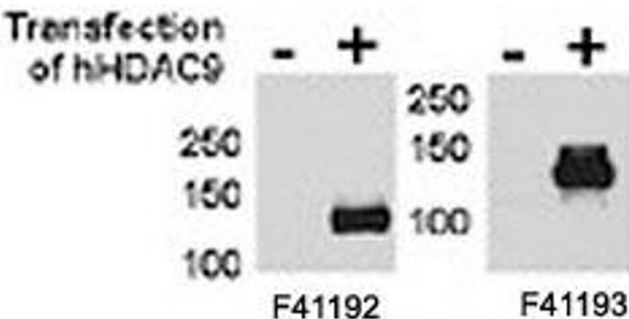
Storage Comment: Aliquot the HDAC9 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

IP testing of HDAC9 Abs



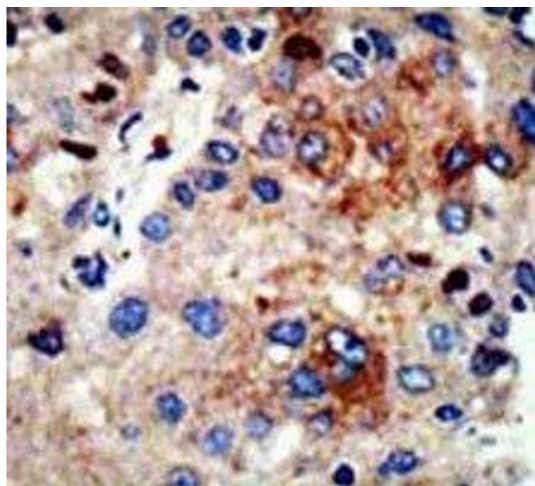
Immunoprecipitation

Image 1. HDAC9 antibody NSJ# F41192 and NSJ# F41193 can both immunoprecipitate the protein from HeLa-HDAC9 transfected cells. (Data kindly provided by Dr. Zhigang Yuan, H. Lee Moffitt Cancer Center and Research Ins)



Western Blotting

Image 2. HDAC9 antibody NSJ# F41192 and NSJ# F41193 were tested by WB and IP-WB using HeLa and HeLa-HDAC9 transfected cells. Both antibodies detect the protein in transfected cells but not non-transfected.



Immunohistochemistry

Image 3. IHC analysis of FFPE human hepatocarcinoma stained with HDAC9 antibody

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN3031237.